

广西姜科新植物 (三)*

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SOME NEW TAXA OF ZINGIBERACEAE
FROM GUANGXI (3)

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靖西山姜 新种

Alpinia jingxiensis D. Fang, sp. nov.

Species *A. densibracteata* T. L. Wu et Senjen valde affinis, a qua foliis subtus dense pubescentibus, bracteis, bracteolis, calycibus corollisque dense appresse sericeo-villosis differt.

Herba. Rhizoma 4—10 mm diam. Caulis foliatus ad 0.6 m altus, 5—6 mm diam. Folia 3—7; vagina et ligula dense pubescens; ligula 3—4 mm longa, biloba. lamina inferne ovata ceterum elliptico-lanceolata, 14—50 cm longa, 5—9 cm lata, caudata, basi cuneata raro late cuneata, supra glabra, subtus dense pubescens, margine dense ciliolata, petiolo pubescenti, 0.3—2 cm longo, raro sessili. Spica ad caulem foliatum terminalis, 7—9 cm longa, c. 150-flora, rhachidi sparse pubescenti, sine pedunculo; inflorescentiarum bracteae 2, ovato-lanceolatae, 4.5—12.5 cm longae, 1—1.8 cm latae, et bracteae et bracteolae utrinque dense appresse sericeo-villosae; bractea ovato-triangularis, 2.4—3.1 cm longa, c. 1.1 cm lata, 3-flora; bracteola bracteae similis, 1.5—1.8 cm longa, 1.2 cm lata. Flos c. 3 cm longus, albus, sessilis; calyx erubescens, 1.1 cm longus, bilobus, margine ciliatus, cum lobis corollae extus dense appresse sericeo-villosus; corollae tubus calyce duplo longior, extus villosus, lobis oblongis, 10 mm longis, 4 mm latis, dorsali paulo latiore; labellum ovatum 7 mm diam., rubro-lineatum, apice bifidum; staminodia lateralia 2 mm longa; stamen 9 mm longum, anthera 4 mm longa, connectivo emarginato; stylus superne parce pubescens; glandes epigynae 2 mm longae; ovarium glabrum, trilobulare. Fructus subglobosus, c. 8 mm diam.

Guangxi: Jingxi Xian, alt. 1400—1500 m, X. H. Lu et D. Fang 23675 (Typus! HGM**).

本种与密苞山姜 *Alpinia densibracteata* T. L. Wu et Senjen 的亲缘关系较近, 但叶的下面密被短柔毛, 苞片、小苞片、花萼和花冠密被贴伏的绢质长柔毛。

广西: 靖西县南坡公社, 山坡林下, 海拔1400—1500米, 陆小鸿、方鼎 23675 (模式标本)。

波翅豆蔻 阪姜、野箔荷(广西西林) 新种
图版 4:1

Amomum odontocarpum D. Fang, sp. nov.

Species a *Amomo pterocarpo* Thwait. differt foliis sessilibus, floribus ebracteolatis, calycibus extus pubescentibus, corollae lobis majoribus, usque ad 2.4 cm longis, connectivorum appendiculis integris, ovariis dense pubescentibus.

Herba caespitosa. Rhizoma c. 1 cm diam. Caules c. 1 m alti, 2 cm diam. Folia plerumque 5—6, sessilia, lanceolata, 38—60 cm longa, 7—12 cm lata, apice longe acuminata, margine parce setulosa, basi cuneata; vaginae glabrae; ligulae 1.5—3 cm altae, bilobae usque bifissae, parce pubescentes. Scapi e rhizomate 1—3 prope basim caulis prodientes, 6—9 cm longi, pedunculis erectis 2—4.5 cm longis subterraneis, bracteis sterilibus paucis ovatis usque ellipticis 2—5 cm longis fere glabris, bracteis fertilibus oblongis usque linearibus, 3.3—4 cm longis 0.5—0.7 cm latis apice et margine pubescentibus. Flores in quoque scapo c. 15—30, 6 cm longi, glandulosi,

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** HGM = Herb. Guangxi Inst. Med. Pharm. Sci., Nanning (广西医药研究所)。

ebracteolati; pedicellus c. 1 cm longus, leviter compressus, pubescens; calyx purpureus. 2.5—3 cm longus, extus pubescens; corolla alba, tubo calyce leviter brevior superne parce pubescenti lobis longe ellipticis 2.4 cm longis 0.8 cm latis glabris, dorsali paulo latiore et cucullato; labellum album, obovatum, 3 cm longum, 1.5—2 cm latum, medio fascia aurantiaca praeditum. prope basim intus pubescens, basi cum filamento in tubum 2—4 mm longum connatum; staminodia 1 mm longa; filamentum parte libera 3 mm longa 2 mm lata, anthera 1.2 cm longa, connectivo in cristam 4 mm longam integram prolongato; glandes epigynae 8 mm longae; ovarium dense pubescens, triloculare. Capsula 9-alata, alis dentatis.

Guangxi: Xilin Xian, alt. 1550m, D. Fang, Y. L. Li et al. 26123 (Typus! HGM); ibid., X. F. Liao et D. Fang 26128.

本种与斯里兰卡产的 *Amomum pterocarpum* Thwait. 极近似, 区别在于叶无柄, 花无小苞片, 花萼外面被短柔毛, 花冠裂片较长, 达 2.4 厘米, 药隔附属体全缘, 子房密被短柔毛。

广西: 西林县八达公社, 山坡疏林下, 海拔 1550 米, 方鼎、李媛玲等 26123 (模式标本), 同地, 廖信佩、方鼎 26128。当地用根状茎, 捣烂外敷伤口, 治疗蛇伤。成熟果实带酸味, 可生食, 并治肚痛。

那坡姜花 野山姜(广西那坡) 新种

Hedychium brevicaulis D. Fang, sp. nov.

Species haec habitu *H. kwangsiensis* T. L. Wu et Senjen similis, sed caulibus brevioribus saepe vix 0.5 m altis, corollarum tubis extus glabris, filamentis labellis aequilongis, antheris 9 mm longis differt.

Herba humilis, Rhizoma usque 3 cm diam., dense appresse villosum. Caules pauci, 20—42 cm alti, 1 cm diam. Folia 5—6, 2 summa basi in petiolum ad 3 cm longum angustata, reliqua sessilia; ligula 1—5 cm longa, infusca, parce appresse villosa, laminae obovatae vel oblongae, 6.5—35 cm longae, 1.5—10.5 cm latae, apice abrupte acuminatae, basi cuneatae, utrinque glabrae, costa subtus interdum appresse flavido-villosa tantum. Spica ad caulem foliatum terminalis, erecta, 8—14 cm longa, 4—6 cm diam., praeter rhachim, bracteam, bracteolam, calycem ovariumque dense appresse flavido-villosam glabra; bractea membranacea, ferruginea, ovato-lanceolata, 3—4.6 cm longa, 1.2—2 cm lata, dense congesta, 3-flora; bracteolae tubulatae, 2.7—3 cm longae, unilateraliter fissae. Flores albi, c. 7 cm longi, aromatici,

sessiles; calyx usque 3.5 cm longus; corollarum tubi c. 4 cm longi, lobis linearibus 2.5—3 cm longis 0.3—0.4 cm latis; labellum album raro flavidum, late ovatum, 2.2 cm longum, 1.9 cm latum, bilobum usque bifissum, basi rotundatum; staminodia lateralia petaloidea, oblanceolata, 2.3 cm longa, 0.7 cm lata; stamina 3 cm longa, filamentis albis labellis aequilongis, antheris 9 mm longis; glandes epigynae 2 mm longae; ovarium triloculare.

Guangxi: Napo Xian, alt. 540—700 m, D. Y. Liu et D. Fang 21953 (Typus! HGM).

本种外形与广西姜花 *Hedychium kwangsiense* T. L. Wu et Senjen 最接近, 但茎矮, 高通常不超过 0.5 米, 花冠管外面无毛, 花丝与唇瓣等长, 花药长 9 毫米, 可以区别。

广西: 那坡县平孟公社, 石灰岩, 疏林下, 海拔 540—700 米, 刘达雨、方鼎 21953 (模式标本)。根状茎民间用于止痛及治支气管哮喘。

匙苞姜 野姜(广西田林), 野阳荷(广西乐业、田林) 新种 图版 4:2

Zingiber cochleariforme D. Fang, sp. nvo.

Simile *Z. rubenti* Roxb., sed bracteis cuneato-cochlearibus raro obovatis vel oblongis, apice saepe rotundatis, rotusis, mucronatis vel truncatis, corollarum tubis bracteis multo longioribus, labellis haud punctatis, lobis mediis oblanceolatis distinctum.

Herba perennis. Rhizomata crassa et tuberosa. Caules 1—6, 0.7—2 m alti, ad 2 cm diam. Folia c. 15—30, sessilia vel petiolis ad 4—6 mm longis villosis instructa; ligulae 4—7 (—14) mm longae, bifidae usque bisectae, membranaceae, glabrae vel parce villosae; laminae inferne ovatae ceterum elliptico-lanceolatae raro suboblongae, 3—48 cm longae, 2—14 cm latae, acuminatae, basi cuneatae usque late cuneatae, supra plerumque glabrescentes dense purpureo-fusco-glandulosae, subtus sparse appresse villosae et glandulosae. Scapi c. basi caulis 1—6 prodientes, 4.5—10 cm longi; spica ovoidea usque obovoidea, 3—6 cm longa (flore excepto), 1.5—5 cm diam., 10—35-flora; pedunculus 1—6 cm longus, subterraneus, cum rhachidi villosus; bractea cuneato-cochlearis raro obovatae vel oblongae, 1.5—4 cm longae, 0.5—2 cm latae, apice saepe rotundatae, retusae, mucronatae vel truncatae, extus villosae, uniflorae. Flores pallide flavi vel albi, 6—7 cm longi, sessiles; bracteolae 2.2—2.8 cm longae, 0.6 cm latae, suboblongae; calyces 1—1.3 cm longi, apice subtruncati; corollae tubus 3.5—4 cm longus, lobis lateralibus lanceolatis 2.5 cm longis 0.5 cm latis, lobo dorsali majore 3 cm longo 0.9 cm lato; labellum 2.5 cm

longum, lobo medio oblanceolato 2 cm longo apice plerumque tridentato, lateralibus suboblongis 9 mm longis; anthera 1.2 cm longa, crista 1.2 cm longa; glandes epigynae 5 mm longae; ovarium dense appresse villosum, triloculare. Capsula ovoideo-ellipsoidea, 4 cm longa, 2 cm diam., extus parce villosa.

Guangxi: Longlin Xian, alt. 1240 m, X. P. Liao et D. Fang 25626 (Typus! HGM); Tienlin Xian, alt. 460 m, X. P. Liao et D. Fang 26429.

外形接近 *Zingiber rubens* Roxb., 但苞片楔状匙形, 稀倒卵形或矩圆形, 顶端通常圆、微凹、具短尖或截平, 花冠管长于苞片, 唇瓣无斑点, 中裂片倒披针形。

广西: 隆林各族自治县者浪公社, 海拔 1240 米, 廖信佩、方鼎 25626 (模式标本); 田林县浪平公社, 海拔 460 米, 廖信佩、方鼎 26429。幼茎和根状茎可食。民间用根状茎内服解热; 外用治风湿。

桂姜 良姜(广西博白) 新种 图版 4:3

Zingiber guangxiense D. Fang, sp. nov.

A *Z. mioga* (Thunb.) Rose. rhizomatibus crassis et tuberosis, calycibus brevioribus 0.9—1.8 cm longis, corollae lobis extus sparse appresse villosis, labellorum lobis mediis oblongis differt.

Herba perennis. 18—26-foliata, Rhizoma crassius, tuberosus, 1—3 cm diam. Caules 1—2, 0.5—1.5 m alti, usque 1.7 cm diam., 18—26-foliati. foliorem vagina pilosa; ligulae 2—6 mm longae, saepe emarginatae, parce ciliolatae; lamina petiolo 1—4 mm longo suffulta, oblongo-lanceolata usque lanceolata, ad 34 cm longa, 9 cm lata, acuminata, basi late cuneata usque cuneata, supra dense purpureo-fusco-glandulosa, subtus sparse appresse villosa et glandulosa. Inflorescentia basalis. 5—26 cm longa; spica obovoidea, 4—8 cm longa (flore excepto), 2—4 cm diam., c. 30-flora; pedunculi 2.5—19.5 cm longi, fere glabri, subterranei; rhachis dense villosa; bractee oblongo-lanceolatae, usque 5 cm longae 1.5 cm latae, extus sparse villosae, uniflorae; bracteolae bracteis similes, usque 4 cm longae, 1.1 cm latae. Flores pallide flavi, 8.5—10.5 cm longi, sessiles; calyx 0.9—1.8 cm longus, extus sparse appresse villosus; corollae tubus c. 4.5 cm longus, glaber, lobis linearibus usque 4 cm longis 0.5 cm latis extus sparse appresse villosis, dorsali lanceolato c. 4.5 cm longo 0.9 cm lato; labellum 3 cm longum, lobo medio oblongo 2 cm longo apice plerumque bidentato raro integro, lateralibus suboblongis 1 cm longis; anthera 1.4 cm longa, crista 1.8 cm longa; glandes epigynae 5 mm longae; ovarium dense

appresse villosum, triloculare. Fructus ovoideus, 3—4 cm longus, 1—1.5 cm diam., parce villosus.

Guangxi: Bobai Xian, X. P. Liao et D. Fang 22040 (Typus! HGM); Shangsi Xian, X. P. Liao et D. Fang 35164.

本种花常为淡黄色, 与囊荷 *Zingiber mioga* (Thunb.) Rosc. 接近, 但根状茎肥厚, 块状, 花萼短, 长 0.9—1.8 厘米, 花冠裂片外面疏被贴伏的长柔毛, 唇瓣的中裂片矩圆形。

广西: 博白县松山公社, 山坡林下, 廖信佩、方鼎 22040 (模式标本); 上思县百包公社, 十万大山, 廖信佩、方鼎 35164。

乌姜(广西凌云) 新种 图版 4:4

Zingiber lingyunense D. Fang, sp. nov.

Foliorum laminis angustis floribus brevibus *Z. integrilabro* Hance simillimum, sed rhizomatibus crassis et tuberosis intus purpureo-caeruleis, pedunculis gracilibus, bracteis extus villosis, labellis trilobatis, lobis mediis obovatis differt.

Herba. Rhizoma crassum, tuberosum, 2.5 cm diam., extus albidum, intus purpureo-caeruleum, radicibus apicem versus in tuber fusiforme incrassatis. Caules caespitiosi, 0.5—1.7 m alti, 4—6 mm diam. Folia inferne ovata ceterum anguste lanceolata, ad 27 cm longa, 3.5 cm lata, acuminata, basi late cuneata, supra glabra dense purpureo-fuscoglandulosa, subtus sparse appresse villosa; ligula 1—5 mm longa, biloba usque bisecta, membranacea, saepe glabra; petioli 1—5 mm longi, interdum villosi. Scapus basalis, 5.5—27 cm longus; spica ovoidea usque ovoideo-ellipsoidea, 3—5.5 cm longa (flore excepto), 1—3 cm diam., 5—20-flora; pedunculus 2—23.5 cm longus, gracilis, cum rhachidi dense villosus, subterraneus; bractea longe elliptica usque oblongo-oblanceolata, 2.5—4 cm longa, 0.6—1.4 cm lata, extus villosa, uniflora; bracteola elliptica, 2.4—3 cm longa, 1—1.3 cm lata, extus villosa. Flos albus, 5 cm longus, sessilis; calyx 1.1—1.4 cm longus, 5 mm diam., extus praeter basim glaber; corollae tubus c. 2.5 cm longus, sparse villosus, lobis lanceolatis 1.5—2 cm longis glabris, dorsali paulo latiore; labellum 2 cm longum, lobo medio obovato 1 cm longo apice rotundato vel emarginato, lateralibus minoribus 3 mm diam.; anthera c. 1 cm longa, crista 1 cm longa; glandes epigynae 5 mm longae; ovarium dense villosum, triloculare.

Guangxi: Lingyun Xian, D. H. Qin et al. 19803 (Typus! HGM); ibid., K. Z. Yuan et al. 3-26101.

本种叶片狭, 花小, 而与全唇姜 *Zingiber* (下接 229 页)

(上接 226 页)

integrilabrum Hance 相近,但根状茎肥厚,块状,内面紫蓝色,总花梗纤细,苞片外面被长柔毛,唇瓣 3 裂,中裂片倒卵形。

广西:凌云县下甲公社,石灰岩,林下石上,覃德海等 19803 (模式标本),同地,袁开周等 3—26101。民间用根状茎治风湿。